

BGS K-5 Mystery Science Scope and Sequence (updated 12/2021)

<u>Grade Level</u>	<u>Life Science</u>	<u>Earth & Space Science</u>	<u>Physical Science</u>	
K	<p><u>Plant & Animal Secrets</u></p> <ul style="list-style-type: none"> ● Animal Needs: Food ● Animal Needs: Homes ● Animal Needs: Safety ● Changing the Environment ● Plant Needs: Sunlight ● Animal Needs & Changing the Environment 	<p><u>Weather Watching</u></p> <ul style="list-style-type: none"> ● Weather Conditions & Tracking ● Weather Conditions & Preparation ● Weather & Daily Patterns ● Sun, Heat, and Engineering ● Sun & Heat 	<p><u>Force Olympics</u></p> <ul style="list-style-type: none"> ● Pushes & Pulls & “Work Words” ● Strength & Direction of Force ● Forces & Engineering 	
1	<p><u>Plant & Animal Superpowers</u></p> <ul style="list-style-type: none"> ● Structure & Survival ● Parenting & Offspring Survival ● Structure & Survival ● Inheritance & Variation of Traits ● Plants & Engineering ● Plant Survival 	<p><u>Spinning Sky</u></p> <ul style="list-style-type: none"> ● Sun, Shadows, & Daily Patterns ● Sun & Daily Patterns ● Sun & Seasonal Patterns ● Stars & Daily Patterns ● Stars & Seasonal Patterns 	<p><u>Lights & Sounds</u></p> <ul style="list-style-type: none"> ● Sounds, Vibrations ● Light, Materials, Transparent & Opaque ● Illumination ● Engineering & Communication ● Lights, Sounds, & Communication 	

	<u>Life Science</u>	<u>Life Science</u>	<u>Earth & Space Science</u>	<u>Physical Science</u>
2	<u>Animal Adventures</u> <ul style="list-style-type: none"> • Biodiversity, Classification & Patterns • Biodiversity, Species, & Habitats • Biodiversity & Engineering 	<u>Plant Adventures</u> <ul style="list-style-type: none"> • Seed Dispersal • Roots, Water, & Minerals • Light, Leaves, & Competition • Adaptations & Habitat 	<u>Work of Water</u> <ul style="list-style-type: none"> • Mapping Earth's Surface, & Landforms • Erosion, Earth's Surface, & Landforms • Erosion & Engineering 	<u>Material Magic</u> <ul style="list-style-type: none"> • Material Properties & Engineering • Material Properties, Classifying Materials • Material Changes & Phases of Matter • Material Inventions, Engineering • Materials, Properties, & Engineering
	<u>Life Science</u>	<u>Life Science</u>	<u>Earth & Space Science</u>	<u>Physical Science</u>
3	<u>Animals Through Time</u> <ul style="list-style-type: none"> • Habitats & Environmental Change • Structure & Adaptations, Fossil Evidence, Classification • Fossil Evidence, Behavior • Heredity, Variation, & Selection • Animal Groups & Survival • Habitat Change & Engineering • Traits & Environment 	<u>Power of Flowers</u> <ul style="list-style-type: none"> • Flowering & Reproduction • Reproduction • Inheritance, Traits, & Selection • Fruiting, Reproduction 	<u>Stormy Skies</u> <ul style="list-style-type: none"> • Water Cycle, Phases of Matter • Local Weather Patterns, Weather Prediction • Climate, Geography, & Global Weather Patterns • Natural Hazards & Engineering 	<u>Invisible Forces</u> <ul style="list-style-type: none"> • Forces • Balances of Forces, Engineering • Balances of Forces, Friction • Magnets, Forces • Magnets, & Engineering
	<u>Life Science</u>	<u>Earth & Space Science</u>	<u>Physical Science</u>	<u>Physical Science</u>
4	<u>Human Machine</u> <ul style="list-style-type: none"> • Muscles & Skeleton • Eyes & Vision • How Eyes Work • Brain & Nerves 	<u>Birth of Rocks</u> <ul style="list-style-type: none"> • Volcanoes, Rock Cycles & Earth's Surface • Volcanoes, Lava & Rock Cycle 	<u>Waves of Sound</u> <ul style="list-style-type: none"> • Sound & Vibrations • Sound, Vibrations & Waves 	<u>Energizing Everything</u> <ul style="list-style-type: none"> • Speed & Energy • Collisions & Energy Transfer • Energy Transfer &

		<ul style="list-style-type: none"> • Weathering & Destructive Forces • Erosion, Natural Hazards & Engineering 		<p>Engineering</p> <ul style="list-style-type: none"> • Energy & Engineering • Energy & Everything • Electrical Energy • Heat, Engines, & Energy Transfer • Energy Resources & Environmental Impacts
	<u>Life Science</u>	<u>Earth & Space Science</u>	<u>Earth & Space Science</u>	<u>Physical Science</u>
5	<p><u>Web of Life</u></p> <ul style="list-style-type: none"> • Food Chains, Predators, Herbivores & Carnivores • Matter Cycle, Food Chain • Decomposers & Matter Cycle • Decomposers, Nutrients, & Matter Cycle • Ecosystems & Matter Cycle • Flow of Energy 	<p><u>Watery Planet</u></p> <ul style="list-style-type: none"> • Water on Earth's Surface • Water as Natural Resource • Water Cycle • Natural Disasters & Engineering 	<p><u>Spaceship Earth</u></p> <ul style="list-style-type: none"> • Sun, Daily Patterns, Earth's Rotation • Sun, Earth's Orbit, Annual Patterns • Stars & Constellations, Earth's Orbit, Annual Patterns • Moon, Moon's Orbit, Lunar Cycle • Planets & Solar System • Gravity • Star Brightness & Habitable Planets 	<p><u>Chemical Magic</u></p> <ul style="list-style-type: none"> • Introduction to Chemistry • Particulate Nature of Matter • Acids, Reactions, & Properties of Matter • Chemical Reactions • Gases & Particulate Nature of Matter